

Comparisons of Job Characteristics

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)

Compare Knowledge
 Compare Skills
 Compare Abilities
 Compare Detailed Work Activities
 Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 63

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.6	19.8	>>	Current knowledge level is likely more than sufficient
Computers and Electronics	8.4	11.7	10.9	0	Current knowledge level may be sufficient
Production and Processing	6.0	11.5	13.5	>	Current knowledge level is likely sufficient
Engineering and Technology	5.7	11.0	12.2	>	Current knowledge level is likely sufficient
Design	5.2	8.8	9.1	0	Current knowledge level may be sufficient
Building and Construction	4.0	8.6	9.3	0	Current knowledge level may be sufficient
Physics	4.3	8.3	6.7	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 51

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Repairing	3.4	9.2	10.0	0	Current skill level may be sufficient
Troubleshooting	4.5	8.8	10.4	>	Skill level is likely sufficient
Equipment Maintenance	3.5	8.6	10.1	>	Skill level is likely sufficient
Equipment Selection	3.3	6.1	7.5	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 78			
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.4	8.7	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	10.3	7.7	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	10.2	9.2	<	Some improvement in abilities may be required
Control Precision	6.6	9.0	9.1	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	8.7	9.1	0	Current ability level may be sufficient
Multilimb Coordination	6.0	8.5	9.0	0	Current ability level may be sufficient
Extent Flexibility	4.8	8.3	5.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 72
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)		
Work Activities	Exclusivity of Activity	
Determine installation, service, or repair needed	58	
Estimate cost for repair services	82	
Read blueprints	10	
Read schematics	34	
Read technical drawings	7	
Understand service or repair manuals	40	
Understand technical operating, service or repair manuals	6	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: n/a
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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.